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The Files - RD-125, Task Order 3

21 November 1958

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Trip Report, OS-4

1. On 13 November 1958 a visit was made to the [REDACTED] Philadelphia, Pennsylvania, to monitor the progress of RD-125, Task Order 3, development of Agent VFO, OS-4. Participating in discussions concerning this project were:

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2. The initial OS-4 prototype which is being readied for delivery within the next weeks was closely inspected. Its workmanship is excellent, and the results of [REDACTED] tests are most encouraging. No spurious responses have been detected and the unit may be set to the desired frequency without ambiguity. Tuner resettability error has been measured less than 200 cycles at any setting.

3. The contractor demonstrated the transmitter/adaptor which plugs into the RT-3, RT-6, or RT-6A crystal socket and connects to the OS-4 with an 14" low capacity cable. This adaptor measures 2-5/8" x 2-1/16" x 1-1/8". The power adaptor which plugs into the RP-6 power supply and provides operating voltages for the OS-4 and the transmitter/adaptor measures 2 1/2" x 1-3/4" x 1-3/8". For VFO operation the RT-6 and RT-6A oscillator circuit must be modified and a XTAL-VFO switch installed. The RT-6 power supply requires no change whatever.

4. The contractor has found that no machine work will be needed to modify the RP-1 for OS-4 operation. There are two unused pins at the RT-3 power socket and he plans to use these to bring out the necessary voltages. A power adaptor similar to that used with the RP-6, but provided with a five-pin "T" connector, will be used with the RP-1.

5. The contractor's efforts to modify the URT-11 have been frustrated by spurious oscillations within the transmitter when it is switched to VFO input, but he has agreed to attempt to cure the problem. (Since the URT-11 is in short supply, it has not been possible to furnish the contractor with another unit).

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6 [REDACTED] expects to deliver the first OB-4 prototype, along with a modified RT-6, by 1 December 1958. The equipment will be handcarried, and [REDACTED] agreed to advise us of the firm delivery date as early in advance as possible so that a representative of the R&D Lab could be present to receive [REDACTED] test data first hand. 25X1A5a1

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cc: R&D Subject File

Monthly Report

R&D Lab

OC-T

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EP Chrono

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